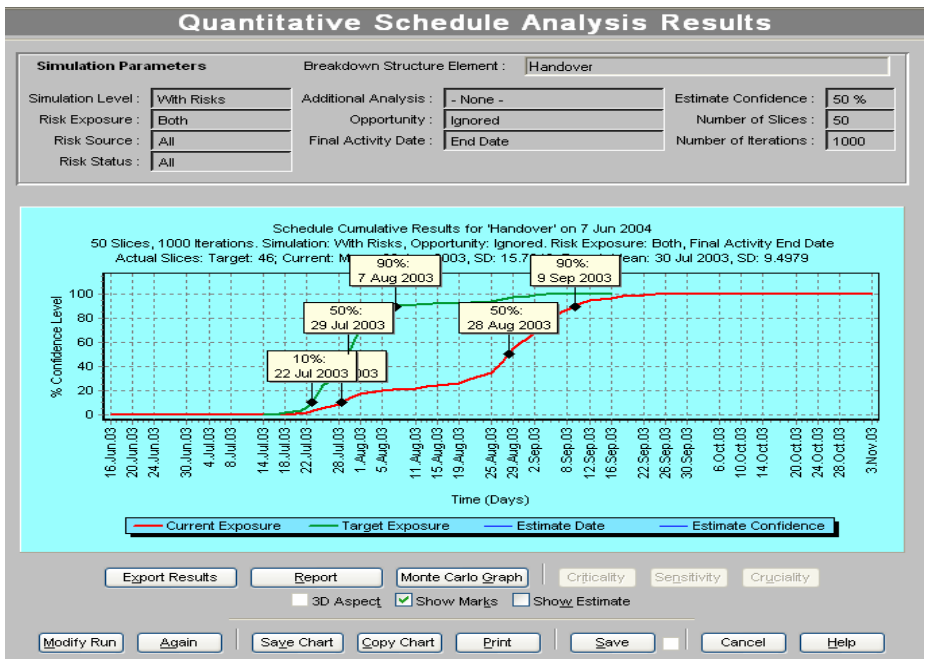
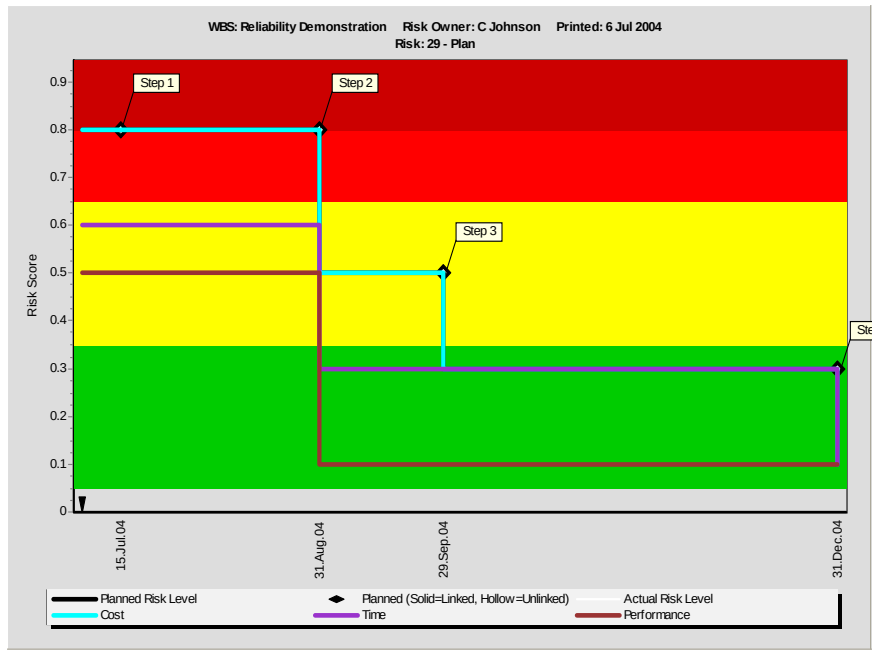
Active Risk Manager (ARM) Overview





What is Active Risk Manager (ARM)?

Active Risk Manager (ARM) is a cross-industry risk management system, with the ability to be configured and adapted across different sectors, projects, and processes. Active Risk Manager was launched in 2001 and was the first web-based, enterprise risk management system to market. Today, it has been proven in the world's largest global projects and corporations.

The original mission statement for Active Risk Manager still holds true today:
"To provide a scalable, enterprise-wide risk management solution that provides the right information to the right people at the right time in a secure fashion"

The system with its web-based, component approach has been designed with the help of leading organizations from multiple industry sectors (both public and private) and continues to be improved with input from our existing and prospective customers.

As a result, Active Risk Manager is the most comprehensive and proven enterprise risk management solution available for identifying, assessing, managing, controlling and communicating risk in compliance with project and operational initiatives, corporate governance standards and regulatory requirements.

Active Risk Manager (ARM) Features

Active Risk Manager has the following features to support NASA' s Continuous Risk Management (CRM) Process:

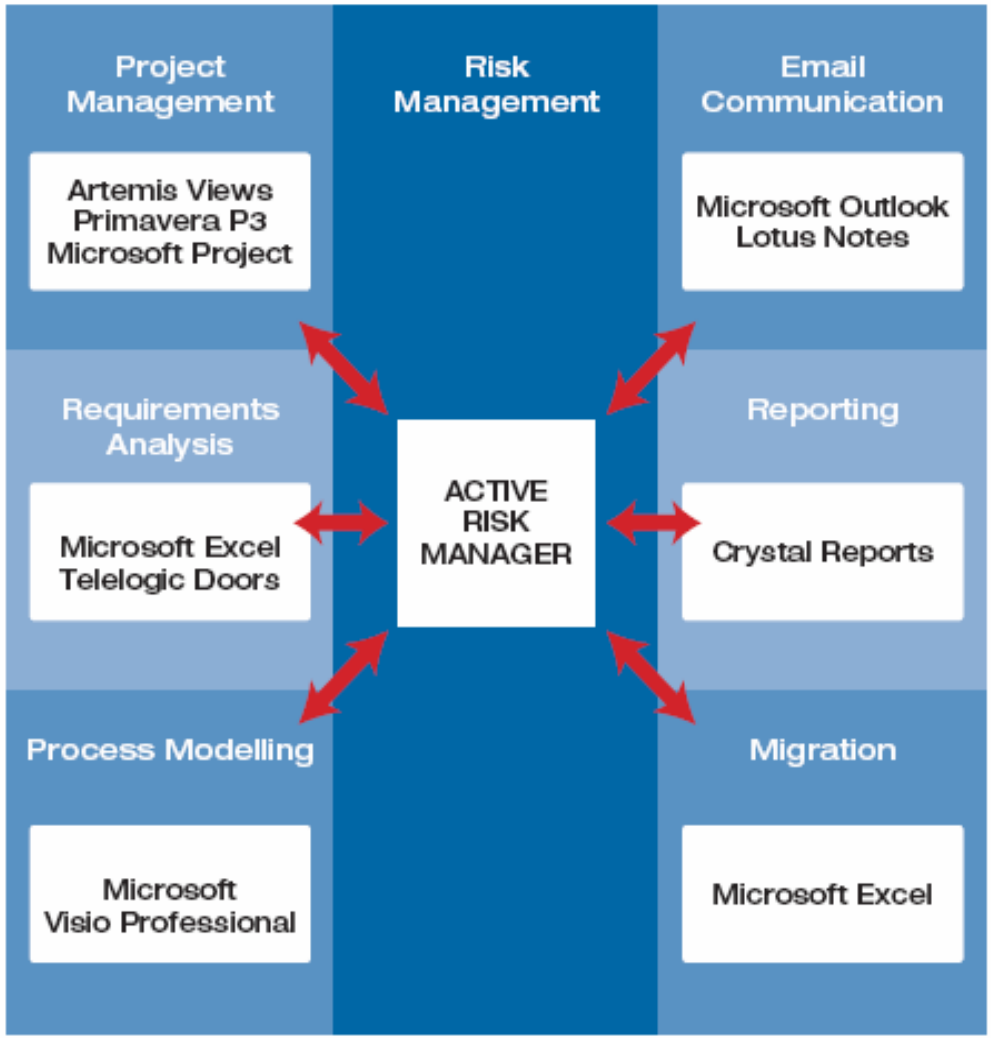
- A fully web-based real-time enterprise solution to support disparate users.
- 3 tier architecture where scalability is maximized and allowing integration with ERP and shared data environments.
- Real-time and bi-directional integration with Microsoft Project™, Artemis™, Primavera and Telelogic Doors™.
- Qualitative and quantitative inputs and outputs.
- Cost and schedule Monte Carlo risk analysis (also other impacts e.g., heat, weight, etc.)
- Contingency planning and control.
- Knowledge base functionality making use of historical data.
- Provides a full risk management audit trail.
- Ability to recognize and manage risk as an opportunity as well as a threat.
- Automatic Email and SMS notification on key events and triggers.
- Tracks risk management action process and effectiveness.
- Enterprise wide reporting off any level of the work or project break down structure.
- Hyperlinks from all text fields to any relevant business documentation, management plans, files or web sites.
- Filter and roll-up capability of all break down structures.
- Advanced security levels supporting common industry standards.
- Enables user defined filtering to focus on key areas of interest.
- Extensive online help and customized tutorial tool options.
- Multiple Scoring Criteria Templates – to enable objective and consistent assessments.

ARM as Closed-Loop Risk Management Process

ARM supports a Closed-Loop Risk Management and is based around the provision of risk services to the entire enterprise, not just the Risk Managers. In any Project/Program, there are three enterprise levels: Executive, Managerial and Operational and these levels all have specific needs regarding their responsibility, accountability and interaction with the risk policy of the Program/Project. Each of these levels has a different requirement in terms of the timeliness of the information and the level of sophistication required from the supporting systems.

ARM Communication & Data Integration

"Communication is of paramount importance in any corporate environment, but time and time again we see risk systems complicating the process due to their lack of integration with management systems and inability to assess risk across the business."



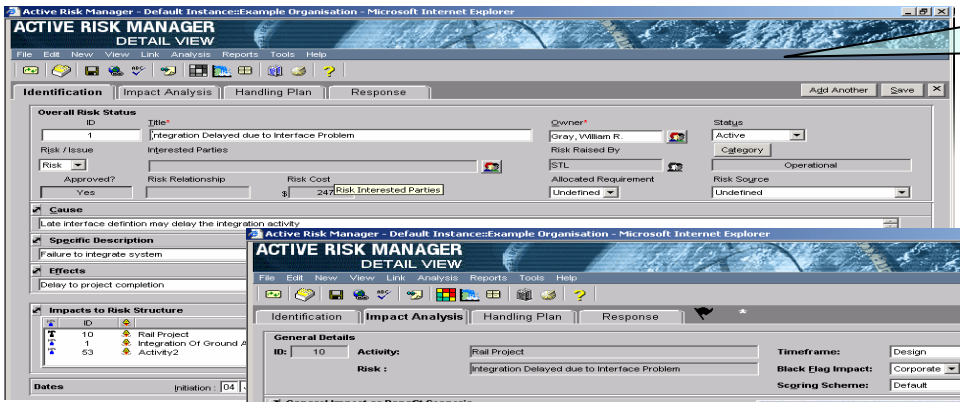
ARM data communication & integration with other Program/Project software tools.

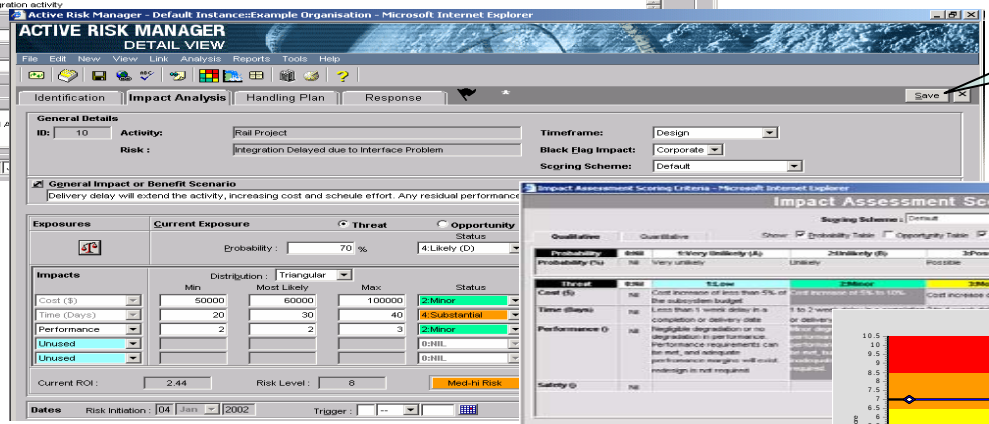
ARM Enterprise Implementation

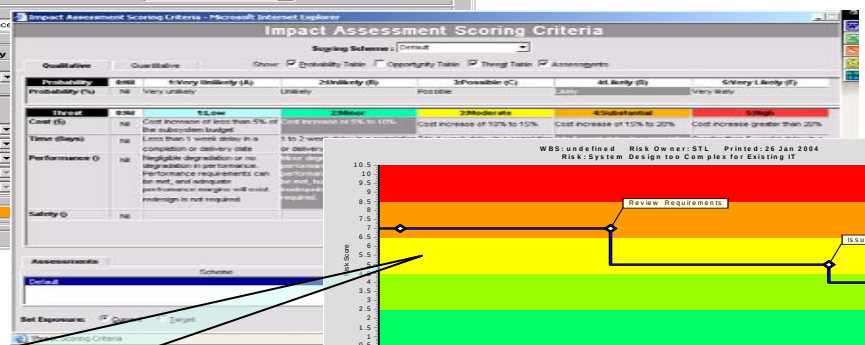
Complete risk management can be performed from a single Risk Review Screen. This screen allows a single, simple and clear link to a WBS, project-related requirements and/or corporate requirements.

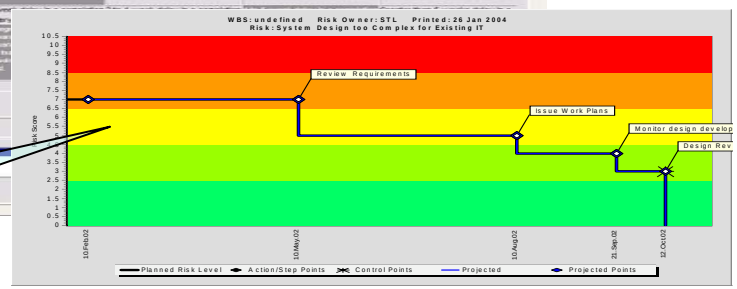
Each risk entry includes a complete identification description, analysis scoring and handling plan

Scoring criteria are tailored for each project, enabling a quick scoring process





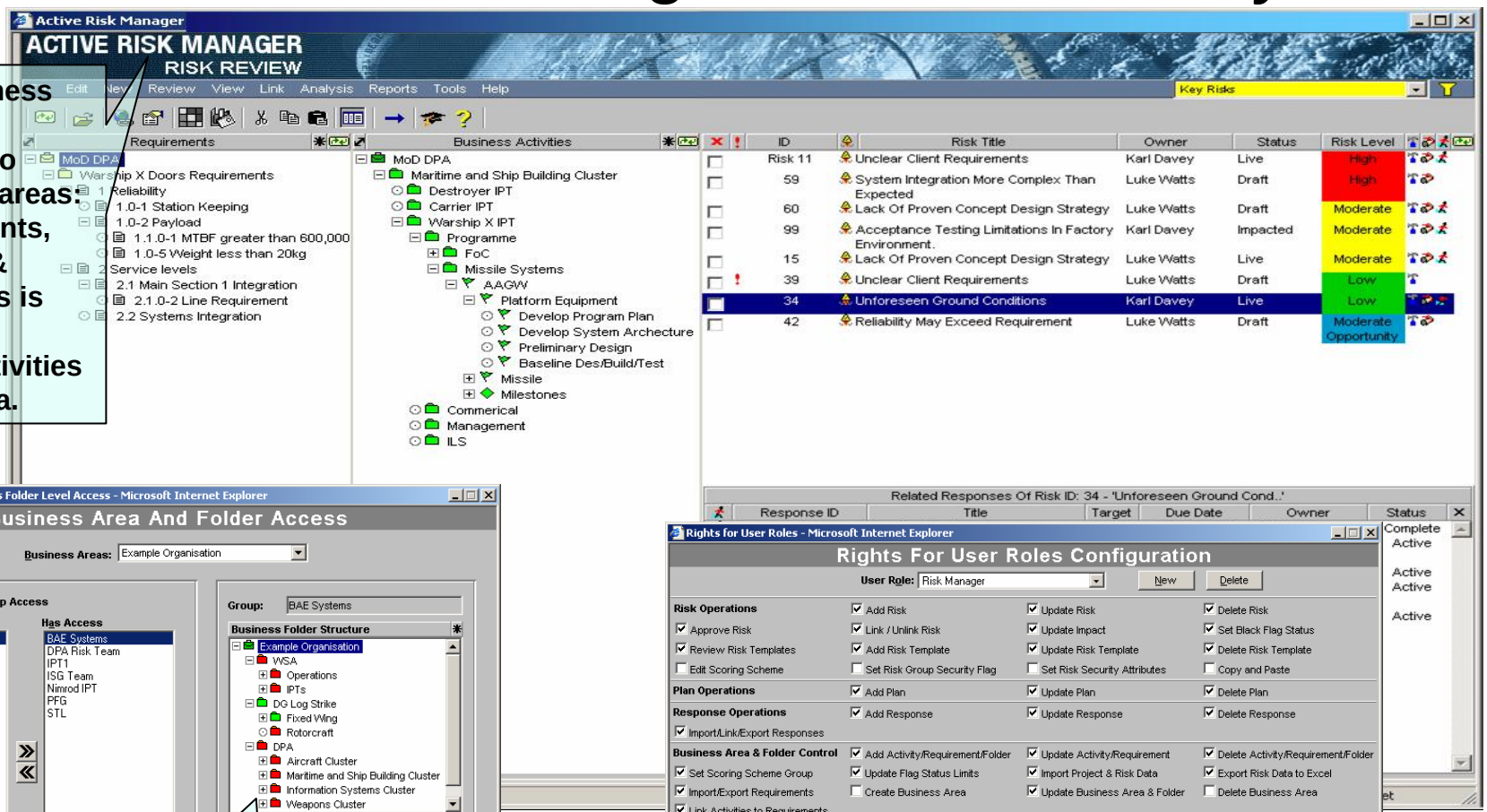


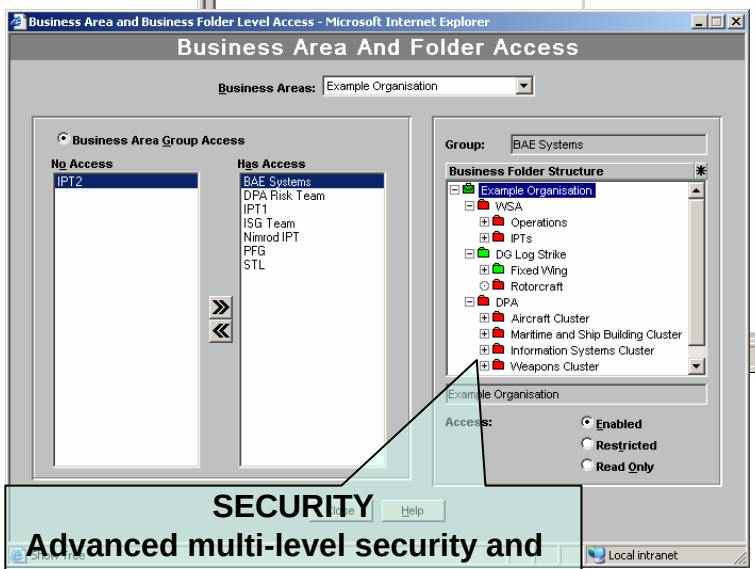


Waterfall charts graphically forecast the risk handling plan and track actual schedule status using ARM

ARM Risk Access, Configuration & Security

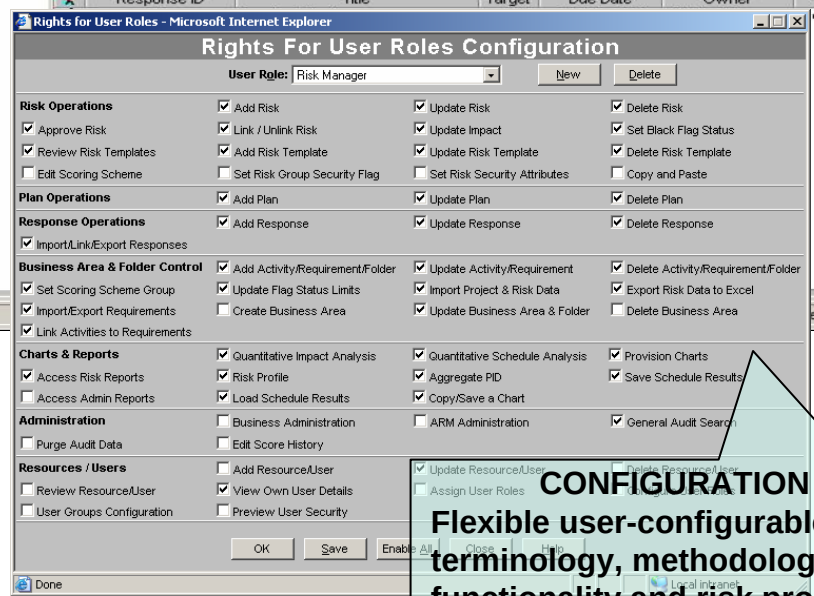
ARM Business Area Divided into three user areas: Requirements, Activities & Risks. This is where you access Activities & Risk Data.





SECURITY

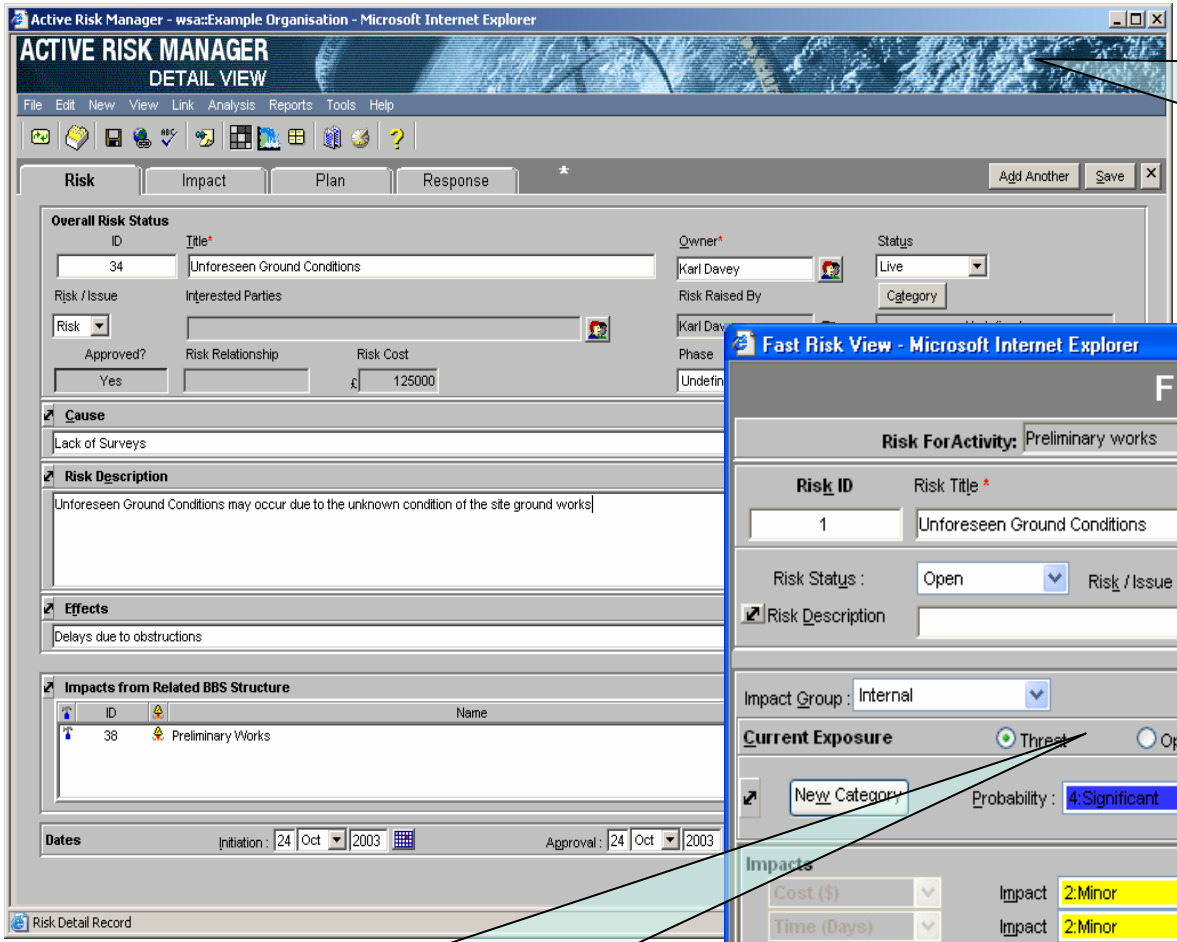
Advanced multi-level security and ITAR/security caveats protection allows safe real-time joint risk registers and shared management.



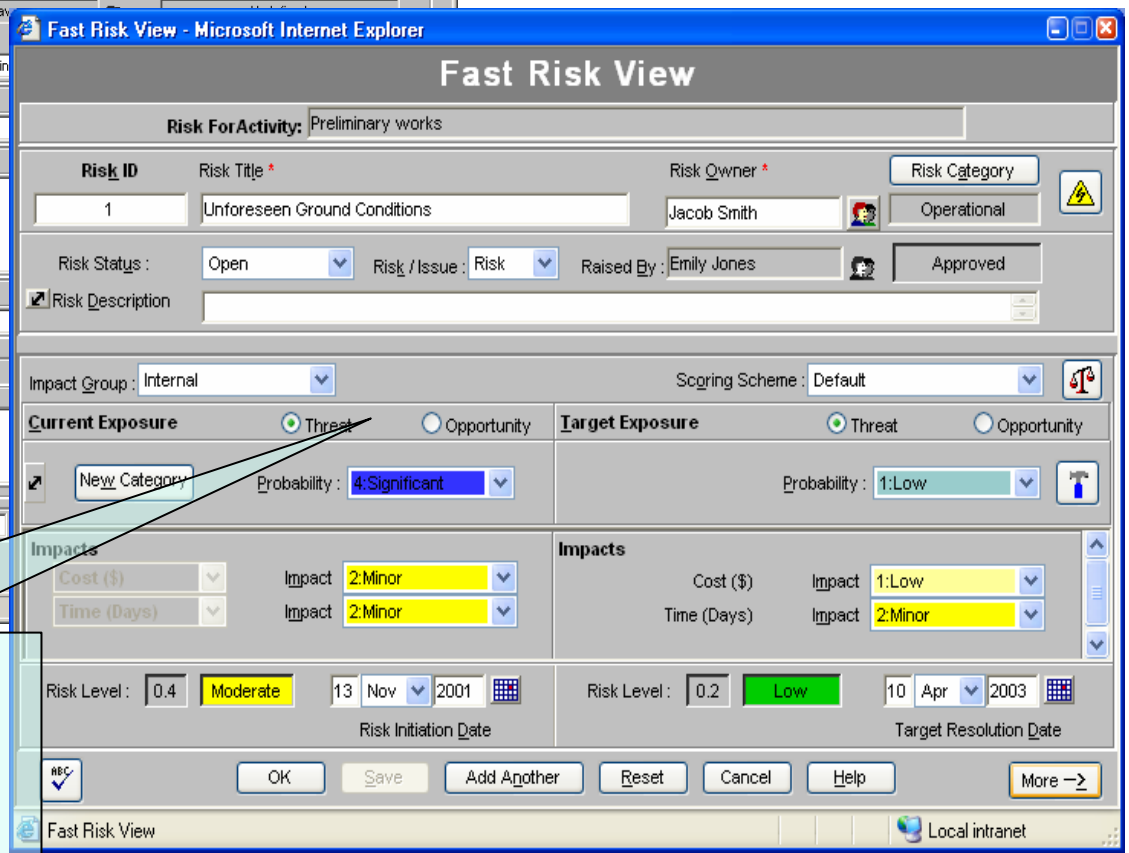
CONFIGURATION

Flexible user-configurable terminology, methodology, functionality and risk process.

ARM Risk Entry – Detailed View & Fast View

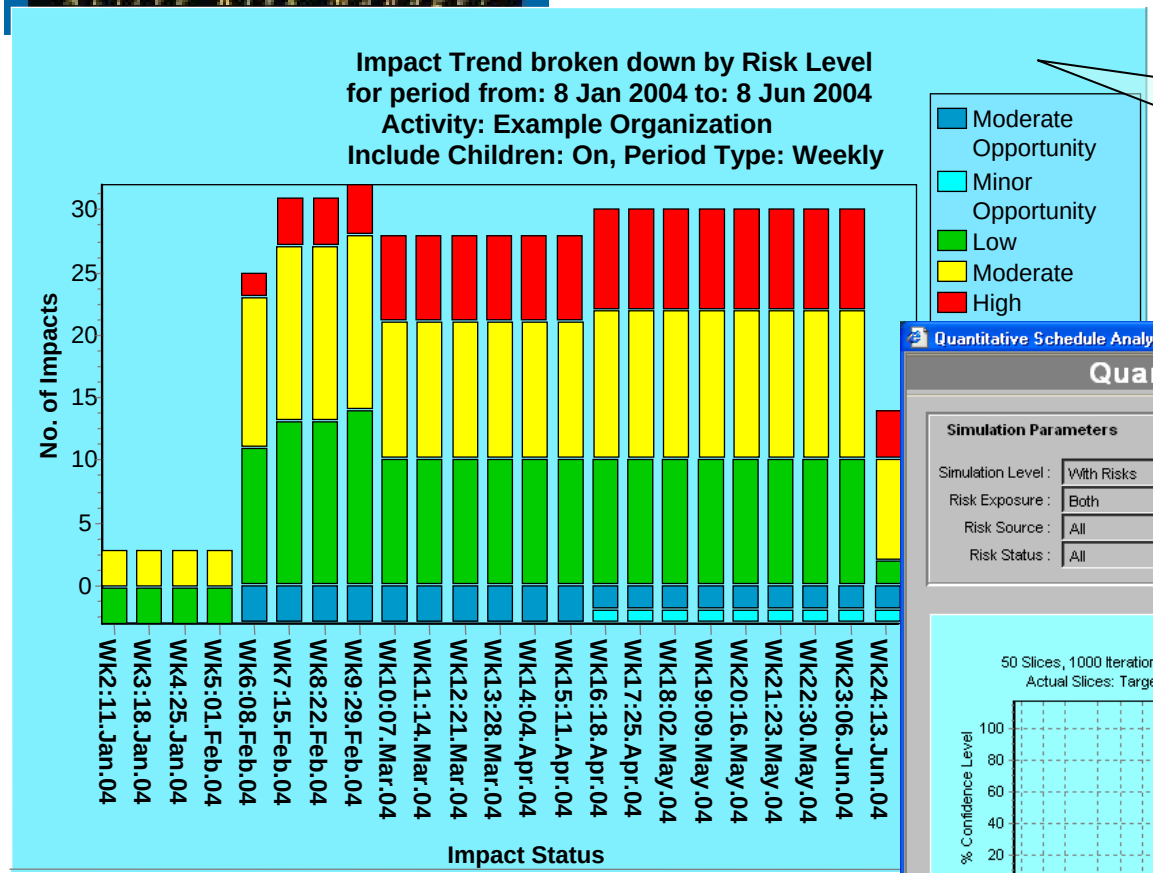


Detailed View risk entry screen for users with either low or high risk maturity levels

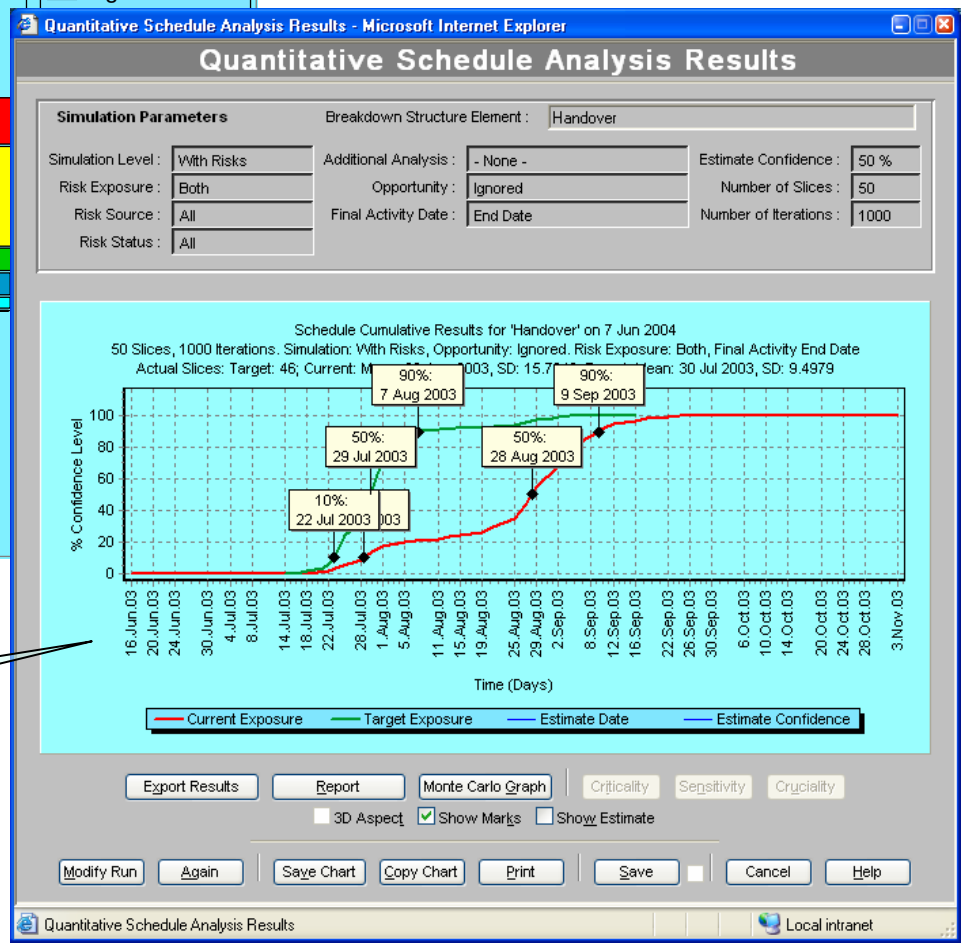


Fast Risk View screens provide users for quick & complete data entry either low or high risk maturity levels

ARM Risk Analysis Capabilities

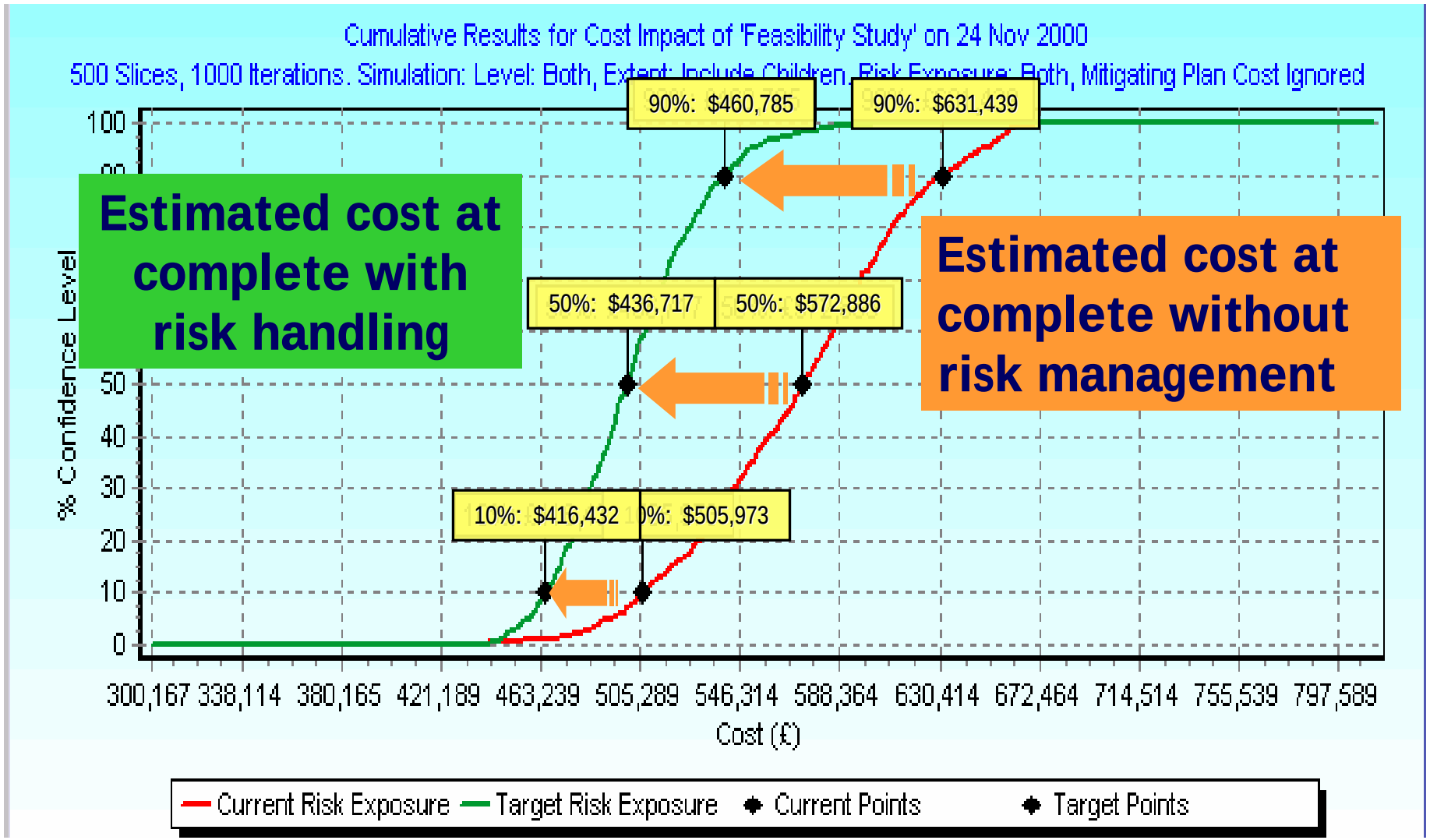


Powerful integrated Monte Carlo 3-point estimating provides risk history trend reporting.



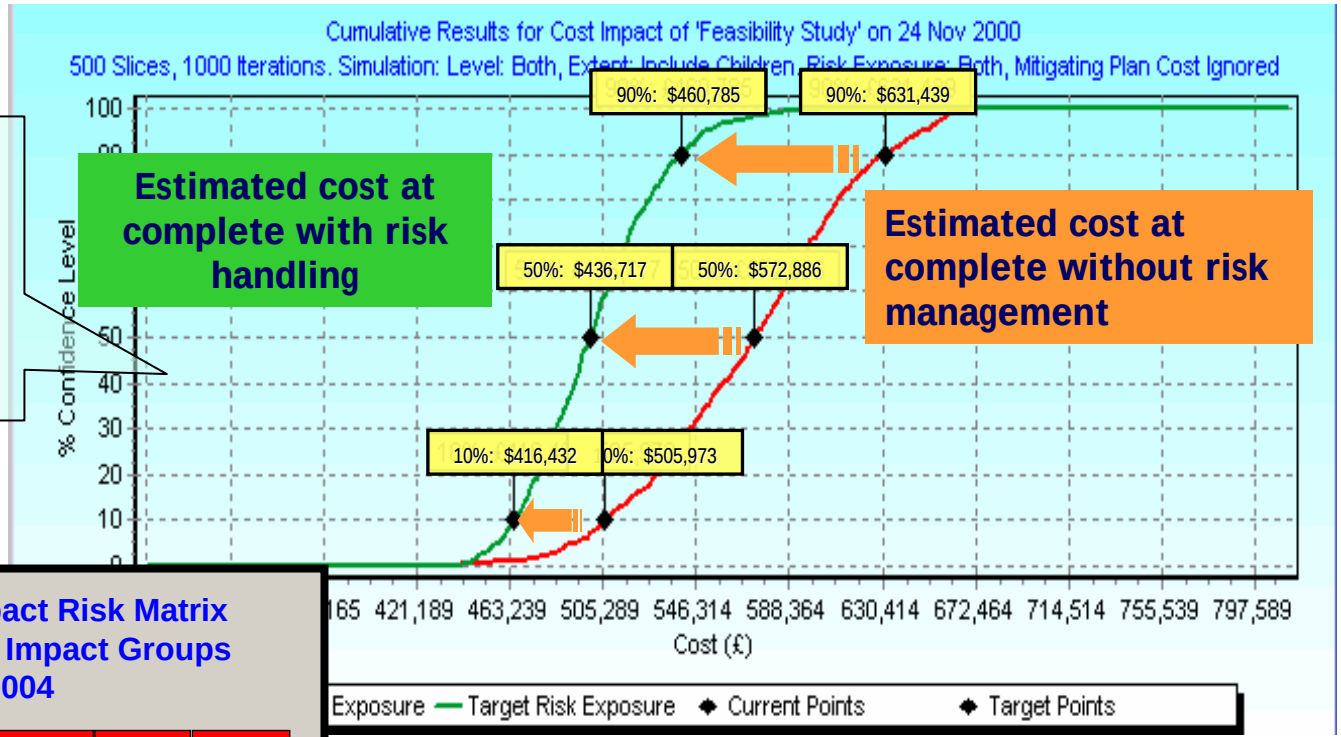
Quantitative Schedule Analysis reporting provides risk history trend reporting.

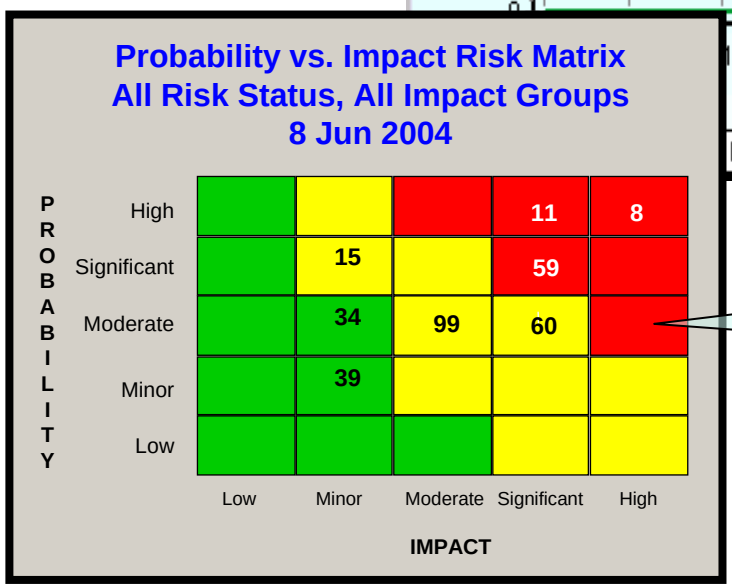
ARM Reporting - Sample Budget Impact Assessment Using Monte Carlo Analysis



ARM Graphical Reporting of Budget Status & Risk Probability X Impact

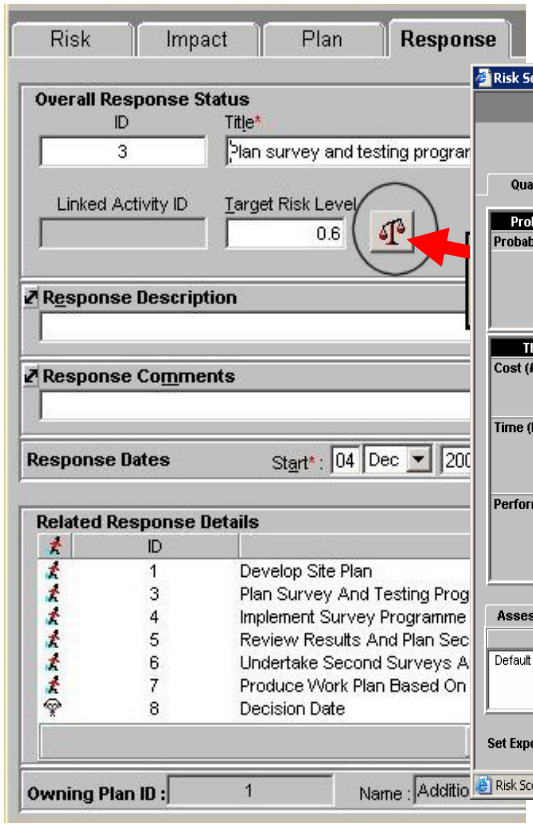
Full integration of graphical and tabular standards along with custom report functionality

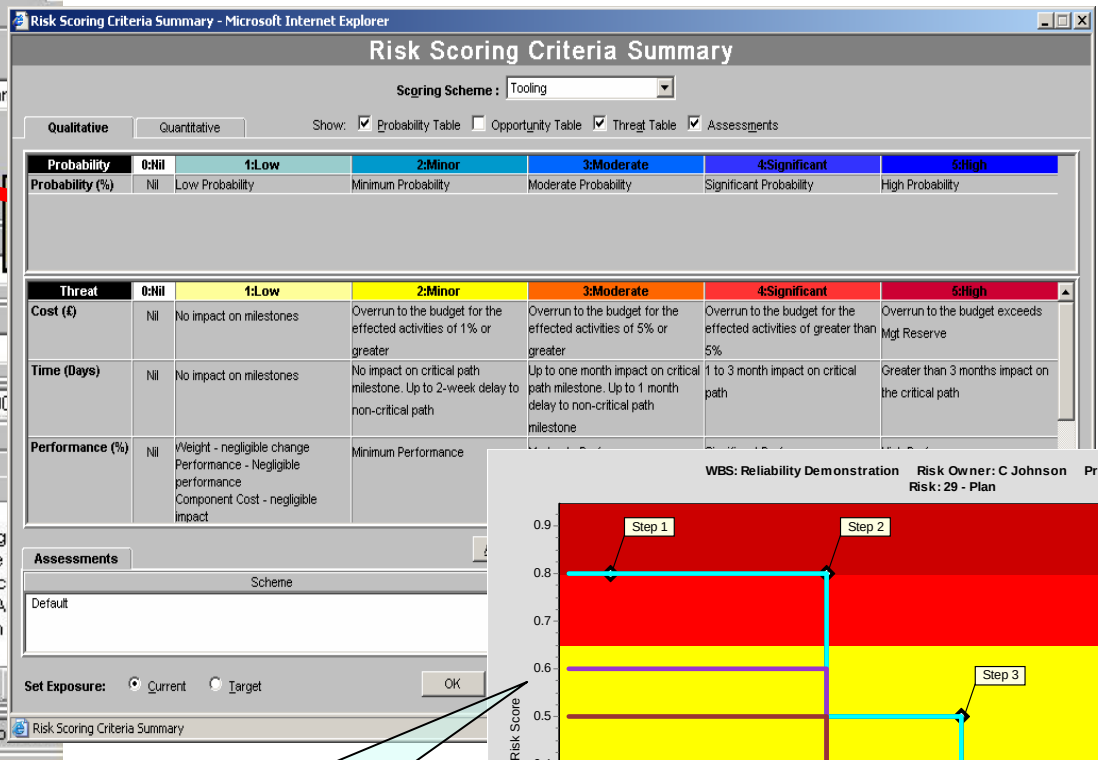


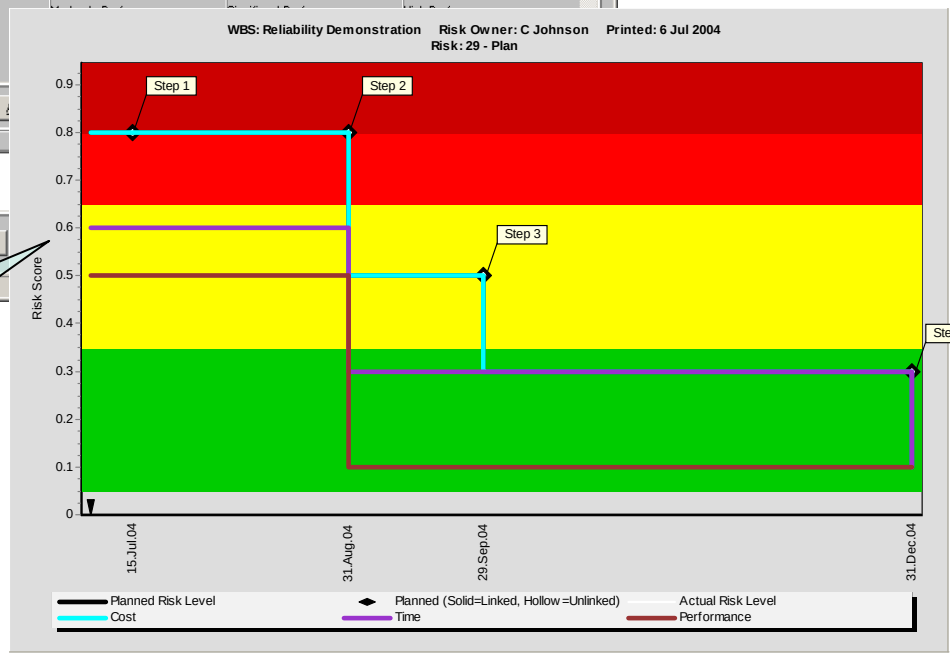


Seamless integration of Risk Matrix (Probability X Impact) for overall Program/Project status.

ARM Risk Scoring Criteria Capability & Risk Waterfall presentation







Impact Waterfalls Charts divides waterfall charts by the risk level for each impact category

ARM Implementation at Marshall Space Flight Center

The ARM database is being used at NASA Headquarters by the Exploration Systems Mission Directorate (ESMD) and by Office of Safety and Mission Assurance (OSMA).

For further information on ARM please use the following URL:
http://www.strategicthought.com/QuickPlace/stlwebsite/Main.nsf/h_Toc/7B4F7FAE599D005988256DEA00726129/?OpenDocument

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